

Sacramento River Bank Protection Project

Phase II Supplemental Authorization

February 2009

Project Overview

The U.S. Army Corps of Engineers, Sacramento District (Corps) is responsible for implementation of the Sacramento River Bank Protection Project (SRBPP) in conjunction with its non-Federal partner, the Central Valley Flood Protection Board (CVFPB). Together, the action agencies are preparing an environmental impact statement/environmental impact report (EIS/EIR) for an additional 80,000 linear feet of bank protection authorized through a provision of the Water Resources Development Act (WRDA) of 2007.

Project Background / Setting

The SRBPP is a continuing construction project authorized by Section 203 of the Flood Control Act of 1960. The purpose of this project is to provide protection to the existing levee and flood control facilities of the Sacramento River Flood Control Project (SRFCP). To date, work has been carried out in two phases, with a total of about 820,000 feet of river stabilized under the project. Current SRBPP work is being conducted under Phase II of its existing federal authorization. An additional 80,000 linear feet of bank protection has been authorized and added to Phase II in order to protect the banks of levees and associated flood risk management infrastructure that is within the SRBPP area from stream erosion.

The planning area for the proposed actions is considered to be the entire SRFCP, and the Corps' current inventory of critical eroding sites will constitute a representative sample of the sites to eventually be treated. As streambank erosion is episodic and new critical sites can appear each year, the environmental analysis will be programmatic in nature allowing for future environmental impact documents for specific projects to be tiered to it.

Phase III Development & Schedule

As construction of the Phase II Supplemental Authorization is completed, implementation of Phase III will be critical to ensuring the Sacramento River levees seriously threatened by erosion will receive corrective measures to prevent levee failure and catastrophic damage and possible loss of life. The Corps and the CVFPB are committed to moving forward with Phase III in early 2009. Informational public workshops are tentatively planned for summer with scoping meetings taking place in fall. Planning for Phase III is expected to conclude in 2013.

Environmental Review Initiated

Pursuant to the National Environmental Policy Act (NEPA) and the California Environmental Quality Act (CEQA), the Corps and CVFPB are conducting public scoping meetings and preparing an EIS/EIR for the SRBPP Phase II Supplemental Authorization. The EIS/EIR will address the No Action alternative and five action alternatives including four different types of bank protection alternatives and a levee setback alternative.





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Introduction



Sacramento River Bank Protection Project:

Phase II Supplemental Authorization
Scoping Meeting



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Sacramento River Bank Protection Project –

Outline



- Program Overview
- Background / History
- Phase II Supplemental Authority
- Environmental Review
- Public Participation



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Sacramento River Bank Protection Project –

Program Overview



- Long-term program to maintain integrity of Sacramento River Flood Control Project from erosion
- Implemented by USACE and Central Valley Flood Protection Board
- Critical to addressing public safety and property damage along the SRFCP



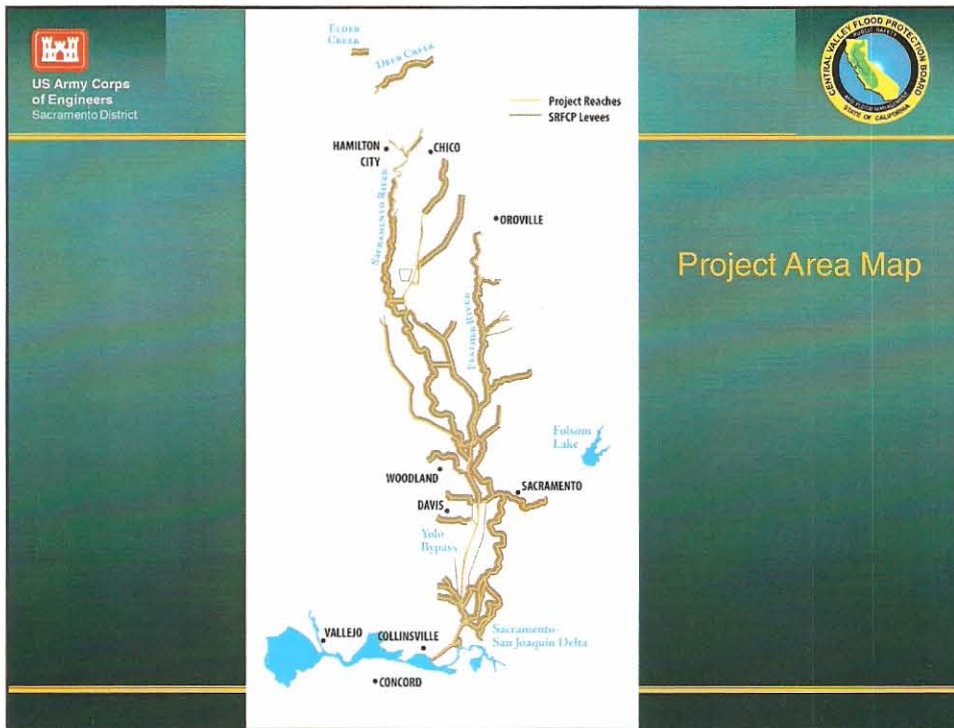
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Sacramento River Bank Protection Project –

Operations & Maintenance



- Construction is cost shared by USACE (federal) and CVFPB (non-federal)
 - Short-term O&M of mitigation features is included in construction costs
- Long-term O&M is non-federal responsibility; CVFPB pays 100% of cost
 - In many cases, CVFPB delegates responsibility to local maintaining agencies and reclamation districts; these agreements do not involve USACE






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Sacramento River Bank Protection Project –

Background



CENTRAL VALLEY FLOOD PROTECTION BOARD
SACRAMENTO DISTRICT
STATE OF CALIFORNIA

- Original Authorization
 - Phase I
 - Flood Control Act of 1960
 - 430,000 linear feet
 - Completed in 1975
 - No Mitigation
- Project Reauthorization
 - Phase II
 - Reauthorized in 1974
 - 405,000 linear feet
 - 13,000 linear feet remain
 - Mitigation Authorized





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Status



■ Erosion Survey of SRFCP levees occurs annually.

- 2008 survey completed in October; includes 154 sites.

■ Repair of Erosion Sites occurs annually.

- 8 sites constructed in 2008.
- 9,000 linear feet scheduled for 2009.
- Prior to 1990's 10,000 feet repaired annually.

PRIORITY SITE RANKING FOR CRITICAL EROSION SITES ON THE SACRAMENTO RIVER FLOOD CONTROL LEVEES USING MULTIPLE RANKING METHODOLOGIES

January 16, 2006

Sacramento River Bank Protection Project, California
Contract No. DACW05-02-D-0002, Delivery Order 0009



Prepared For:



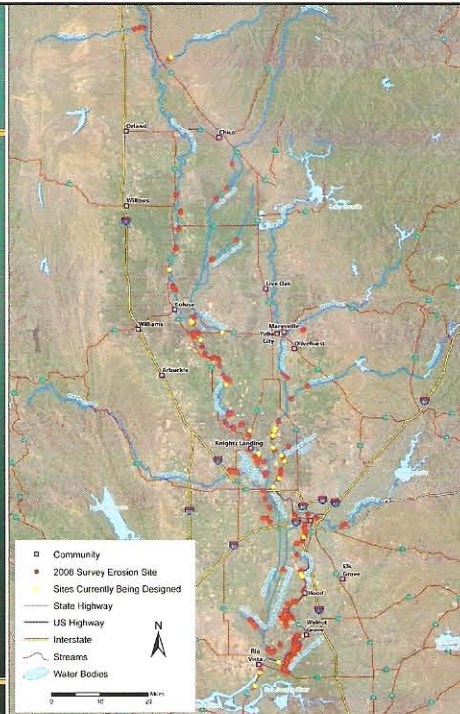
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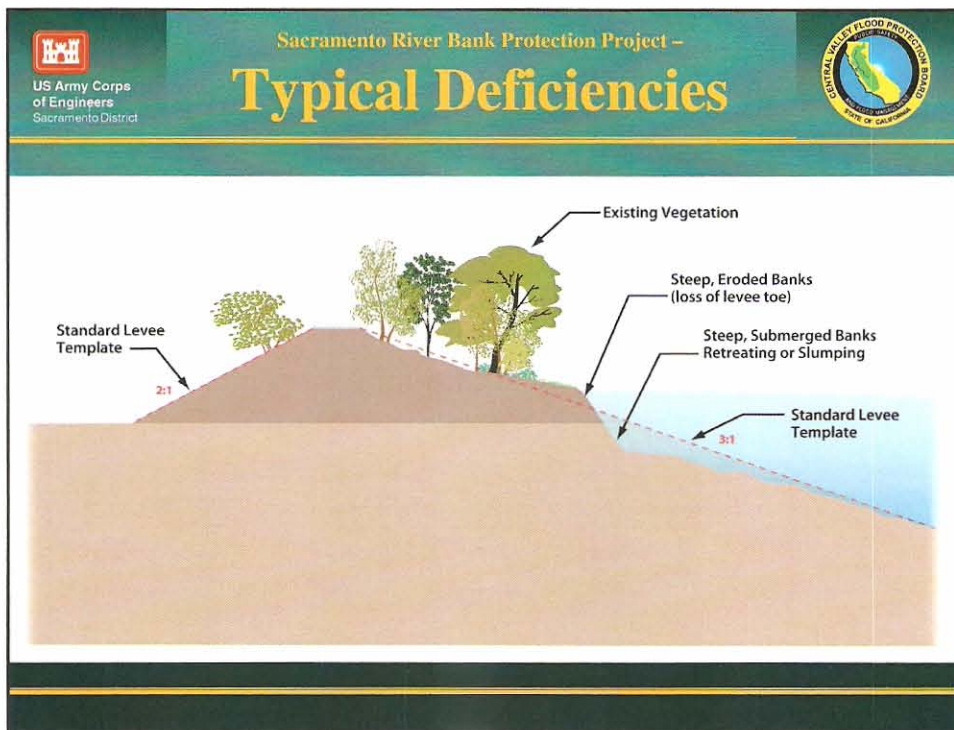
AVRES
ASSOCIATES



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2008 Erosion Sites





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New Authority

CENTRAL VALLEY FLOOD PROTECTION BOARD
STATE OF CALIFORNIA

- WRDA 2007 authorizes additional 80,000 linear feet
- Phase II grows from 405,000 to 485,000 linear feet
- Preparing Programmatic EIS/EIR to analyze impacts of bank protection construction



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Purpose of Environmental Review



- Study and evaluate reasonable range of alternatives and potential impacts
- Follow legal guidelines
 - California Environmental Quality Act (CEQA)
 - National Environmental Policy Act (NEPA)



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Sacramento River Bank Protection Project – Purpose of Scoping



- Inform public about the project
- Identify interested parties
- Identify significant issues
- Identify potential alternatives
- Gather input on the focus of the environmental document and alternatives



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Sacramento River Bank Protection Project –

Programmatic Alternatives



Six Tentatively Identified Alternatives:



- No Action
- Action Alternatives:
 - Setback Levee
 - Various alternatives employing primarily rock revetment bank protection



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Environmental Factors Considered



- | | |
|-------------------------|-------------------------|
| ■ Land use and planning | ■ Noise |
| ■ Geologic problems | ■ Aesthetics |
| ■ Water quality | ■ Cultural resources |
| ■ Water supply | ■ Recreation |
| ■ River Meander | ■ Hazardous materials |
| ■ Air quality | ■ Biological resources |
| ■ Transportation | ■ Endangered Species |
| ■ Traffic circulation | ■ Public health/hazards |
| ■ Environmental Justice | |

Sacramento River Bank Protection Project –
Special-Status Species



- Numerous special-status species in the study area, including:
 - Delta smelt,
 - Steelhead,
 - Chinook salmon,
 - Green sturgeon
 - Valley Elderberry Longhorn Beetle,
 - Swainson's hawk, and
 - Bank Swallow

Sacramento River Bank Protection Project –
Issues Identified to Date

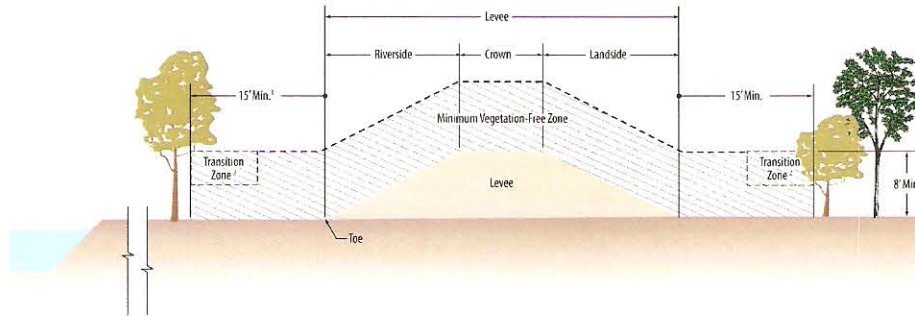


- Effects on historic or archaeological resources during construction
- Effects on fish, wildlife, and their habitats at erosion treatment sites
- Temporary noise effects during construction
- Recreation effects during construction
- Effects on riparian vegetation, jurisdictional wetlands, or other sensitive natural communities
- Effects on land use
- Effects on scenic views or visual character of sites



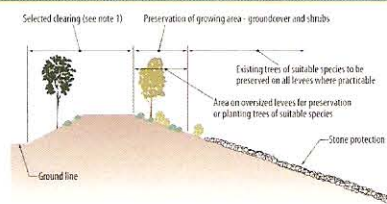
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Sacramento River Bank Protection Project – USACE Vegetation Policy

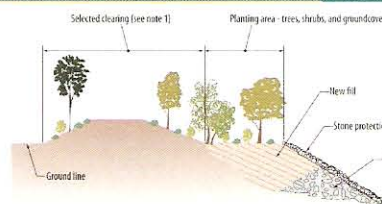


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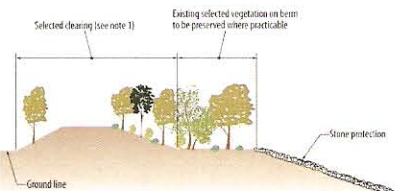
Sacramento River Bank Protection Project – 1974 SRBPP Authorization



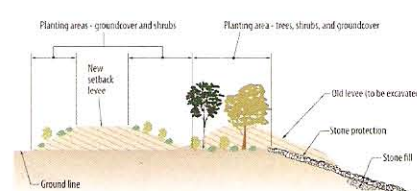
BANK PROTECTION - LEVEES WITHOUT BERMS



BANK PROTECTION - CONSTRUCTED BERM



BANK PROTECTION - LEVEES WITH BERMS

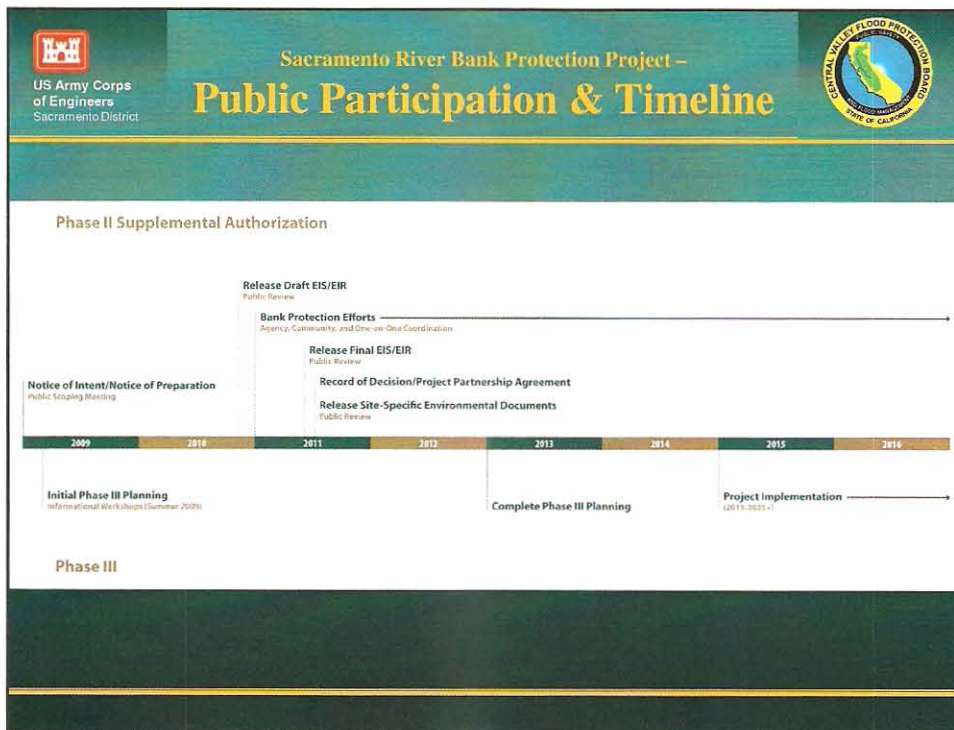


BANK PROTECTION - LEVEE SETBACK

Notes:

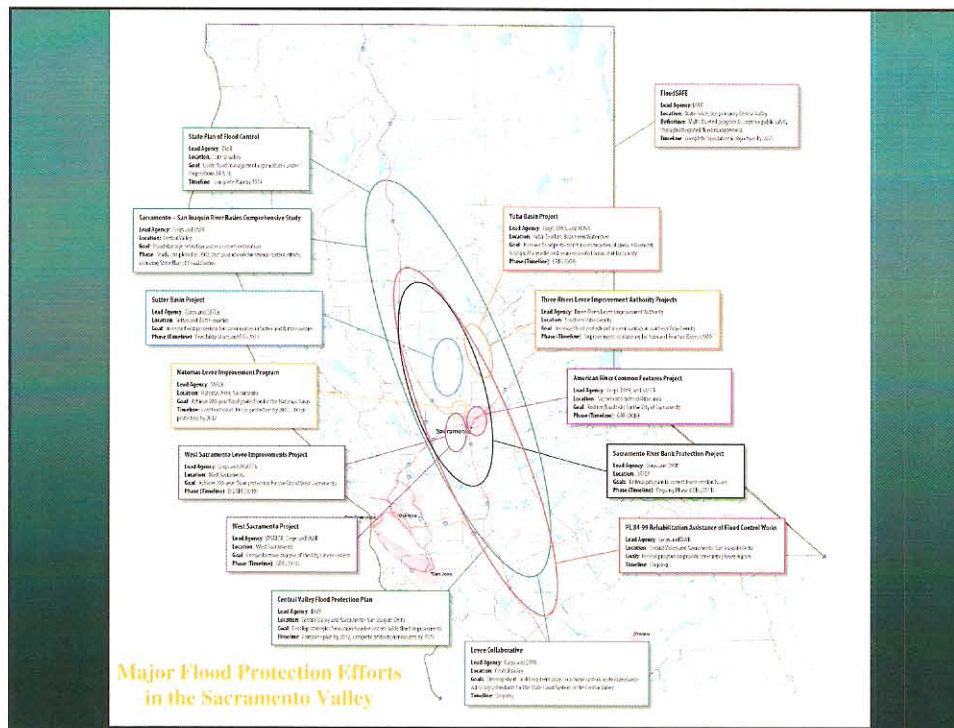
1. Selected clearing on oversized levees would preserve suitable species of trees and shrubs where practicable. Selected clearing on standard levees would preserve suitable species of shrubs where practicable.
2. Selected future volunteer growth on stone protection to be undisturbed by maintenance.


NOT TO SCALE



Sacramento River Bank Protection Project – State Coordination

- The Sac Bank program will be implemented jointly (between the Corps and State) in a way that is consistent with the draft FloodSAFE Strategic Plan
- The Sac Bank program will be coordinated closely with the Central Valley Flood Management Planning program and the levee evaluation program
- To the extent feasible, public engagement related to the Sac Bank program will be coordinated through the public engagement process of the Central Valley Flood Management Planning Program






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For More Information



CENTRAL VALLEY FLOOD PROTECTION BOARD
SACRAMENTO DISTRICT
STATE OF CALIFORNIA

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Sacramento River Bank Protection Project – **Public Comments**

